

Notice of Allowability

Application No.

10/528,257

Examiner

Laura C. Guidotti

Applicant(s)

HUANG, TONG

Art Unit

1744

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08 May 2007.
2. ☒ The allowed claim(s) is/are 1,2,5,6 and 8-12.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 20070716.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Weili Cheng on 16 July 2007.

The application has been amended as follows:

In the Specification:

Page 2 Line 5 please delete - - 00800767.5 - - and in its place insert - - 2008000767 that also is Publication No. CN 1302182 - -

Page 2 Line 8 please delete - - angel - - and in its place insert - - angle - -

In the Claims:

Claim 2 Lines 4-8 please delete - - , wherein the magnet is provided...and the bottom cover - -

Claim 1 in each of Lines 10 and 12 please delete - - concave - - and in its place insert - - convex - -

Claim 6 in each of Lines 12 and 14 please delete - - concave - - and in its place insert - - convex - -

Claim 9 in each of Lines 9 and 11 please delete - - concave - - and in its place insert - - convex - -

The following is an examiner's statement of reasons for allowance:

None of the prior art made of record includes a device comprising an upper cover with an air chamber, the upper covering being attached tightly to a bottom cover, the bottom cover having a cleaning material layer attached underneath, an inner cover with a magnet located therein being provided inside the air chamber, said inner cover being attached to the bottom cover while isolated from the air chamber, said bottom cover having at least one convex edge, and said upper cover having at least one through hole for adjusting the air volume in the chamber; *and* wherein a magnet is provided inside the inner cover, the magnet being located in the convex/concave edge of the bottom cover and being pressed by an iron pad, a sponge pad being used to press the magnet and the iron pad, such that the magnet is fixed to the convex/concave edge between the inner cover and the bottom cover.

In particular, Hanson (US 6,206,978) does not teach or suggest a convex edge, any through holes, or a magnet being isolated from an air chamber, the magnet being located in a convex edge of the bottom cover and being pressed by an iron pad, a sponge being used to press the magnet and iron pad, such that the magnet is fitted to the convex edge. Hanson describes that magnets may be housed within sockets or may be removably held in place by flanges extending from an upper cover (Column 2 Lines 44-50). Additionally, Tsui (US 6,206,978) describes a suspendable magnetic brush, and further Tsui discloses that magnets (59) are provided within an inner cover

Art Unit: 1744

and isolated from an air chamber (air chamber could be considered to be 73), magnet being located in a convex edge of a bottom cover and being pressed by a metal plate (62), a spacer being used to press a magnet and iron pad (63). However, Tsui does not include an upper cover with an air chamber being attached to a bottom cover, an inner cover being provided inside the air chamber, the inner cover being attached to the bottom cover while isolated from the air chamber, at least one or a plurality of through holes, an iron pad, or a sponge pad. Further Bakker (US 6,348,104) discusses a similar device, however Bakker does not include an inner cover (5) isolated from the air chamber, the upper cover having at least one or a plurality of through holes, a bottom cover having a convex edge, the magnet being located in the convex edge being pressed by an iron pad, nor a sponge pad being used to press the magnet with an iron pad.


Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura C. Guidotti whose telephone number is (571) 272-1272. The examiner can normally be reached on Monday-Thursday, 7:30am - 5pm, alternating Fridays.

Art Unit: 1744

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gladys Corcoran can be reached on (571) 272-1214. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Laura C Guidotti
Patent Examiner
Art Unit 1744

lcg